

Message Text

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USMISSION IAEA VIENNA

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FOR DR. A.S. FRIEDMAN, R.L. HIRSCH AND JOHN KANE FROM HENoch

E.O. 11652: N/A

TAGS: TECH, JA

SUBJECT: FIFTH IAEA CONFERENCE ON PLASMA PHYSICS AND
CONTROLLED NUCLEAR FUSION RESEARCH

REF: TOKYO 14683

1. SECOND DAY PAPERS ON ROUTINE THEORETICAL ASPECTS OF
PLASMA CONFINEMENT, EQUILIBRIUM, STABILITY AND TRANSPORT
DID NOT CONTAIN STARTLING REVELATIONS BUT SPORADICALLY
GENERATED SERIOUS DISCUSSIONS.

2. SESSION ON LOW BETA TOROIDAL SYSTEMS REPORTED RESULTS
FROM VARIOUS STELLARATORS AND MULTIPLE EXPERIMENTS. NO
UNEXPECTED OR UNUSUAL RESULTS WERE REPORTED.

3. SPECIAL EVENING SESSION ON REACTOR DESIGN PROBLEMS WAS
WELL ATTENDED. CARRUTHERS PRESENTED A REVIEW OF THE CULHAM
WORKSHOP ON FUSION REACTOR DESIGN. OTHER PAPERS IN SESSION
DEALT WITH VARIOUS ASPECTS OF RADIATION DAMAGE, IMPURITIES,
AND PROBLEMS OF STARTUP OF TOROIDAL FUSION REACTORS.

4. SPECIAL SESSION ON COMPUTATIONAL ASPECTS OF PLASMA
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CONFINEMENT AND SIMULATION SCHEDULED FOR WEDNESDAY AFTER-

NOON. US NATIONAL CTR COMPUTER CENTER AND LONG RANGE
PLANS FOR ITS USE WILL BE DISCUSSED BY J. KILLEEN AND
J. DAWSON. OTHER REPS FROM VARIOUS COUNTRIES TO DISCUSS
THEIR COMPUTATIONAL PROGRAMS AND THE PROSPECTS FOR INTER-
NATIONAL COOPERATION IN NUMERICAL SIMULATION OF FUSION
REACTORS. SESSION ON LASER ISOTOPE SEPARATION SCHEDULED
FOR FRIDAY AFTERNOON. F.C. GILBERT HAS BEEN SPECIALLY
REQUESTED TO ATTEND SESSION BY JAPANESE WHO ORGANIZED
SESSION. SESSION APPARENTLY AT INSTIGATION OF JAPAN
ATOMIC POWER COMPANY.
HODGSON

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